

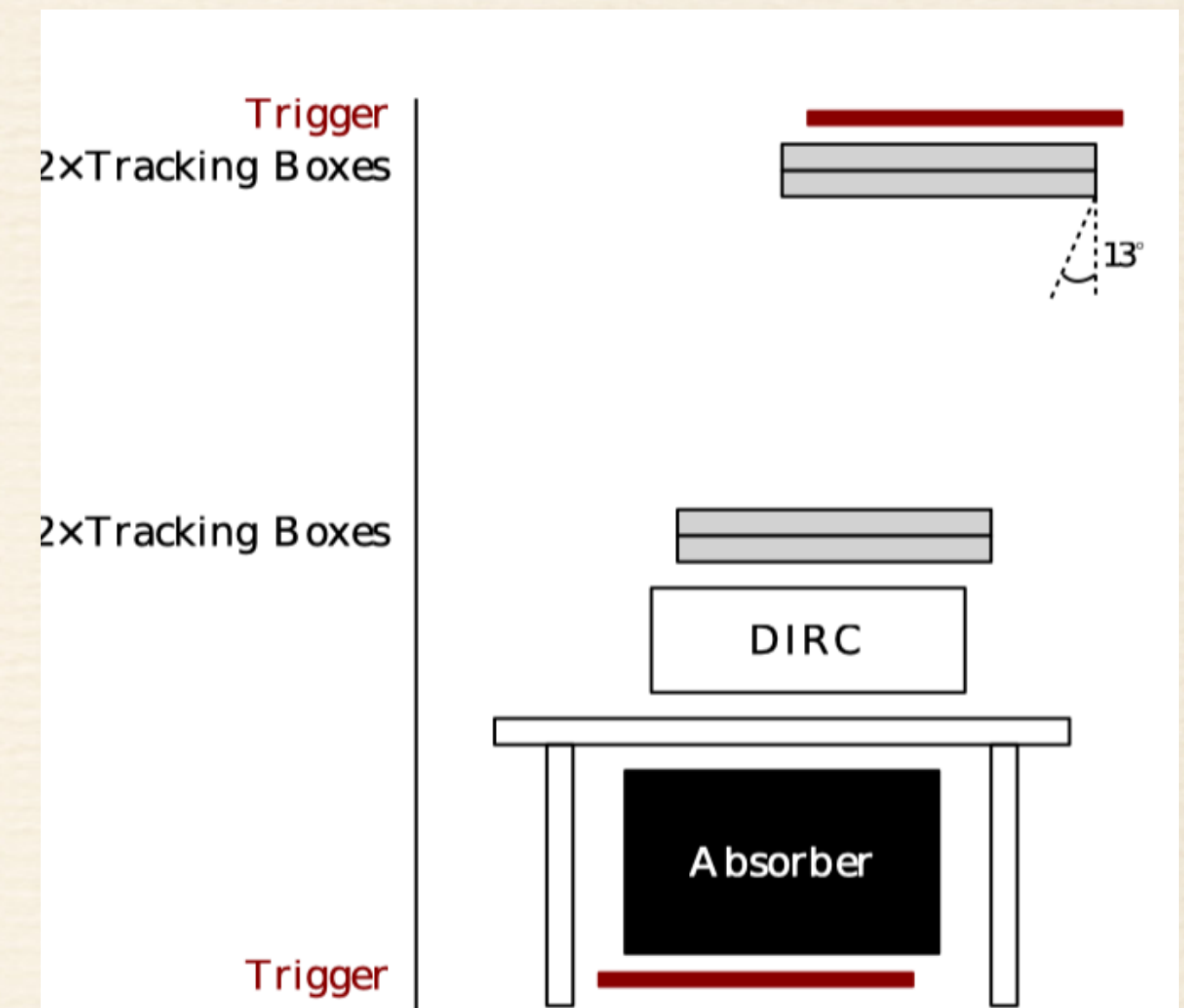
# Giessen plans for photon detector tests for SCTF using Giessen Cosmic Station(GCS)



**Mini GCS with  
Aerogel and KETEK**

Using different radiators  
(Scintillator, Plexiglass, Aerogel)  
Check the readout of  
KETEK (SiPM) or Hamamatsu(MPPC)  
Matrixes

One KETEK 64 channel matrix is on place,  
another one is in GSI (for ASICS design)  
The Hamamatsu 64channel one is ordered  
Both are using 3X3mm pixel  
Depending from requirement (from MC)  
We might go into 1X1mm pixel size



**Schematics of GCS  
to track/discriminate Muons**

For the readout we use ToFPET readout system from PETSYS